1889

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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISOIN

Name of the Work : **Estimation for Constructing Dry Waste Collection Center at Amruthnagara in Ward no 7, kodigehalli sub division.**

Estimate Cost : 26.50 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

2650000.00

Name of Work: Estimation for Constructing Dry Waste Collection Center at Amruthnagara in Ward no 7, kodigehalli sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Clear and grubbing road land including uprooting Rankvegitation grass, brush, shrubs, sapling and trees of girth upto 300mm by manual means in area of light jungle, removeal of strumps, disposal of unserviceble materials stacking of serviceable materials labour charges complete as per specification PWD SR 12-13 Page No. 144/Item No. 18.11	Sqm							
			1	22.00	12.00		264.00	4.45	1175.00
	Basic Rate	4.20							
	Add area weight age 6% as per PWD SR Note	**0.25**							
	Total	**4.45**							
2	KSRB 2-2.1: Earthwork Eccavation for foundation of Buildings, culverts, water supply, Sanitary lines and electrical either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specification. Specification No. KBS 2.1(a)/2.3.5 PWD SR 12-13 Page No. 5, Item No. 2.3	Cum							
	Alround wall (18.3+9.2+9.2+3.5+5.0+12.4+1.7+Addl 0.70)		1	60.00	1.05	1.05	66.15		
	Short wall @ Toilet		2	1.50	1.05	1.05	3.81		
	Short wall @ Toilet		2	0.60	1.05	1.05	1.32		
	Column Around & inside		7	1.50	1.50	0.90	14.18		
	At Entrance Slope		1	2.40	0.60	0.60	0.86		
	For Sump		1	8.00	6.00	1.50	72.00		
	around DWCC for Flogging CC		1	60.00	0.75	0.75	33.75		
	Net Quantity						191.57	132.50	25383.00
	Basic Rate	125.00							
	Add area weight age 6% as per PWD SR Note	**7.50**							
	Total	**132.50**							
3	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, tacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.specification. No. KBS 2.1(b) / 2.3.5 PWD SR 12-13 Page No. 5 Iteme No. 2.4	Cum							
	Extra for additional lift of 1.5 mtr to Sump Excavation								
	Extra for additional lift of 1.5 mtr or Part there of for excavation in loose/soft or hard soil inlcuding cost of materials, labour complete as per specification PWD SR 12-13 Page No. 7, Item No, 2.21								
	For sump		1	8.00	6.00	1.50	**72.00**	207.07	**14909.00**
	Net Quntity								
	Basic Rate	**187.00**							
	Add area weight age 6% as per PWD SR Note	**11.22**							
	Total	**198.22**							
	Basic Rate	**8.35**							

ADMINISTRATIVELY SANCTIONED FOR Rs. 26.50L
Rupees Twenty six Lakhs and fifty thousand Rupees only
Under SLDM
Registered as EE ( ) No. 5 ...9....
Subject to conditions contained in enclosed memo EE (Y) No. 565 ...101...
Dt. 4/1/18 Estimate Accepted
(Signed) AE No. 565 Dt. 20-1-18
Date 4/1/18 Rs. 26.50Lakh

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Add area weight age 6% as per PWD SR Note	0.50							
	Total	8.85							
	TOTAL	207.07							
4	Providing and laying in position plain cement concrete of mix M10 with OPC cement @220kgs, with 40mm Down Size geaded granite metal cousrse aggreegates @0.892 cum and fine aggreegates 0.465 cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery, curing complete as per specifications for bed concrete PWD SR 12-13 Page No. 12, Item No. 4.2						Cum		
	Alround wall (18.3+9.2+9.2+3.5+5.0+12.4+1.7+Addl 0.70)		1	60.00	0.75	0.15	6.75		
	Short wall @ Toilet		2	1.50	0.75	0.15	0.34		
	Short wall @ Toilet		2	0.60	0.75	0.15	0.14		
	Column Around & inside		7	1.50	1.50	0.15	2.36		
	At Entrance Slope		1	2.40	0.60	0.15	0.22		
			4	1.50	1.50	0.15	1.35		
	For Sump		1	8.00	6.00	0.15	7.20		
	for flooring		1	18.30	9.20	0.10	16.84		
	around DWCC for Flogging CC		1	60.00	0.75	0.15	6.75		
	Net Quantity						41.94	4053.44	169989.11
	Basic Rate	3824.00							
	Add area weight age 6% as per PWD SR Note	229.44							
	Total	4053.44							
5	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, abour, curing complete as per specifications KBS 5.1.13 PWD SR 12-13 Page No. 25, Item No. 5.6						Cum		
	Alround wall (18.3+9.2+9.2+3.5+5.0+12.4+1.7+Addl 0.70)		1	60.00	0.75	0.45	20.25		
	Short wall @ Toilet		2	1.50	0.75	0.45	1.01		
	Short wall @ Toilet		2	0.60	0.75	0.45	0.41		
	At Entrance Slope		1	2.40	0.60	0.60	0.86		
	At Entrance Slope Side		1	1.50	0.60	0.60	0.54		
	around DWCC for Flogging CC		1	60.00	0.60	0.60	21.60		
							44.67		
	Second Course Sort								
	Alround wall (18.3+9.2+9.2+3.5+5.0+12.4+1.7+Addl 1.70)		1	60.00	0.60	0.45	16.20		
	Short wall @ Toilet		2	1.50	0.60	0.45	0.81		
	Short wall @ Toilet		2	0.60	0.60	0.45	0.33		
							17.34		
							62.01	2710.42	168074.00
	Basic Rate	2557.00							
	Add area weight age 6% as per PWD SR Note	153.42							
	Total	2710.42							
6	KSRB 5.3-2 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:8 edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 cement mortar 1:6, edges of stones PWD SR 12-13 Page no. 26, Iteme No, 5.9								
	Alround wall (18.3+9.2+9.2+3.5+5.0+12.4+1.7+Addl 1.70)		1	60.00	0.45	0.60	16.20		
	Short wall @ Toilet		2	1.50	0.45	0.60	0.81		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Short wall @ Toilet		2	0.60	0.45	0.60	0.32		
	At Entrance Slope		2	1.50	0.45	0.60	1.35		
							18.68	3164.10	**59118.00**
	Basic Rate	**2985.00**							
	Add area weight age 6% as per PWD SR Note	**179.10**							
	Total	**3164.10**							
7	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine agreegates @0.459 cum machine mixed machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery curing complete as per specifications (P. No. 12 Item No. 4.6) 2012-13 SR								
	Alround wall (18.3+9.2+9.2+3.5+5.0+12.4+1.7+Addl 0.70)		1	60.00	0.45	0.15	4.05		
	Short wall @ Toilet		2	1.50	0.45	0.15	0.20		
	Short wall @ Toilet		2	0.60	0.45	0.15	0.08		
	For Flooring inside		1	18.30	9.20	0.15	25.25		
	For Flooring inside		2	19.50	0.60	0.15	3.51		
	At Entrance Around wall out side flogging concrete		2	9.20	0.60	0.15	1.66		
							34.75	4327.98	**150412.00**
	Basic Rate	**4083.00**							
	Add area weight age 6% as per PWD SR Note	**244.98**							
	Total	**4327.98**							
8	Earth Filling								
	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications PWD SR 12-13 Page No. 6, Item No. 2.10						Cum		
	Basement filling with available earth inside		1	18.00	9.20	0.75	124.20		
	alround foundation		1	60.00	0.45	1.05	28.35		
							152.55	89.04	**13583.00**
	Basic Rate	**84.00**							
	Add area weight age 6% as per PWD SR Note	**5.04**							
	Total	**89.04**							
9	KSRB 15.1.5 Providing raised and cut pointing to coursed stone masonry with cement mortar 1:3, 20mm after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. PWD SR 12-13 Page No. 120 Item No,15.5						Sqm		
	Alround wall for SSM Basement		1	55.00	0.60		33.00		
	Alround wall for Terra cotta block		2	55.00	3.00		330.00		
							363.00	103.88	**37708.00**
	Basic Rate	**98.00**							
	Add area weight age 6% as per PWD SR Note	**5.88**							
	Total	**103.88**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB-3.2: Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) PWD SR12-13 Page No. 9, Item No, 3.2	Sqm							
			1	18.30	9.20		168.36	100.45	**16911.00**
	Basic Rate	**94.76**							
	Add area weight age 6% as per PWD SR Note	**5.69**							
	Total	**100.45**							
11	Wall with Clay Block								
	Providing and Constructing thick Clay Hollow brick masonary of size 400x200x200mm in cement morotor 1:6 using horizontal perforated clay hallow brick with minimumm crushing strength of 35kg/Sqcm including scaffolding, curing etc., m, complete as directed at all levels as per the Standards and construction Methodology as mentioned in schedule of Rates (PWD 12-13 Page No. 292 Item No, 38.18.1)	Cum							
	Alround		1	60.00	3.00		180.00		
	inside Cross Wall		1	15.00	3.00		45.00		
							225.00	632.82	**142385.00**
	Basic Rate	**597.00**							
	Add area weight age 6% as per PWD SR Note	**35.82**							
	Total	**632.82**							
12	KSRB 6-2.2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 (page No. 30, Item No. 6.7 PWD SR 12-13	Cum							
	Sump side wall		2	6.00	3.00	0.23	8.28		
	Sump side wall		2	8.00	3.00	0.23	11.04		
	WC		2	1.50	0.23	2.40	1.66		
	WC		2	0.60	0.23	2.40	0.66		
							21.64	**5045.60**	**109179.00**
	Basic Rate	**4760.00**							
	Add area weight age 6% as per PWD SR Note	**285.60**							
	Total	**5045.60**							
13	Providing & applying in Positionplan cement concrete of Mix M20 with cement @ 300kgs with 20mm & down sixe graded granite metal coarse aggreegates @0.64cum and fine aggreegates @0.43 cum with syperplastisiser @ 3 ltrs, confirming to IS 9103-1999 Reaffirmed-2008, machine mixed concrete laid in layers not exceeding 15 cms thick well compacted in foundation, plinth and cills including cost of all materials, labours Hire of machinery curing complete as per specifications (PWD SR 12-13 Page No. 12, Item No. 4.5)	Cum							
	Lintel beam around wall		1	60.00	0.20	0.30	3.60		
	Chejjas for doors								
	D1		1	2.40	0.60	0.15	0.22		
	Slab for sump		1	8.00	6.00	0.20	9.60		
	column raft		7	1.50	1.50	0.45	7.09		
	Column around & inside		7	0.90	0.30	3.00	5.67		

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Gutter		1	20.00	0.90	0.20	3.60		
			2	20.00	0.15	0.30	1.80		
	Slab for over head tank		1	2.40	2.40	0.20	1.15		
	Basic Rate	4572.00					32.73	4846.32	**158598.00**
	Add area weight age 6% as per PWD SR Note	274.32							
	Total	4846.32							
14	KSRB 4.9.2: Providing TMT. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, lobour, HOM of machinery complete as per specifications. (Page No. 19 item No.4.46) PWD SR 12-13						Qtl		
	200kg/cum		1				32.73	7187.86	**235226.31**
	Basic Rate	6781.00							
	Add area weight age 6% as per PWD SR Note	406.86							
	Total	7187.86							
15	KSRB 4-6.3: Providing and removing centering shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes thickness upto 200 mm including cost of all materials, labour complete as per specificaitons PWD SR 12-13 Page No. 14, Item No. 4.29								
	Slab for Sump		1	8.00	6.00		48.00		
			2	8.00	0.20		3.20		
			2	6.00	0.20		2.40		
	Slab for over head tank		1	2.40	2.40		5.76		
			2	2.40	0.20		0.96		
			2	2.40	0.20		0.96		
	Column raft		28	1.50	0.45		18.90		
	Basic Rate	244.00					80.18	258.64	**20738.00**
	Add area weight age 6% as per PWD SR Note	14.64							
	Total	258.64							
16	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (Page No. 17, Item No. 4.36) PWD SR 12-13						Sqm		
	Lintel beam around wall		2	60.00	0.30		36.00		
	Chejjas for doors								
	D1		2	2.40	0.60		2.88		
			2	2.40	0.15		0.72		
	Columns		14	0.90	3.00		37.80		
			14	0.30	3.00		12.60		
	Gutter Bottom		1	20.00	0.90		18.00		
			4	20.00	0.20		16.00		
	Gutter side		4	20.00	0.30		24.00		
							148.00	555.44	**82205.00**
	Basic Rate	524.00							
	Add area weight age 6% as per PWD SR Note	31.44							
	Total	555.44							

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat withcement mortar 1:4 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding including cost of materials, labour, curing complete as per specifications. (page no 120 Item No 15.10) PWD SR 12-13						Sqm		
	WC		2	1.50	2.40		7.20		
			2	0.60	2.40		2.88		
	Sump Side Wall		2	6.00	3.00		36.00		
			2	8.00	3.00		48.00		
	Plastering for column , cheggas, beam, gutter Qty same as Centring						148.00		
							242.08	124.02	**30023.00**
	Basic Rate	117.00							
	Add area weight age 6% as per PWD SR Note	7.02							
	Total	124.02							
18	KSRB 15-15.1 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth. cost of materials, labour, complete as per specifications. Page No, 124 Item no 15.51 1 PWD SR 12-13						Sqm		
	Inside wall		2	5.00	2.40		24.00		
			2	1.70	2.40		8.16		
	W/c out side		2	1.50	2.40		7.20		
	for inside & outside Beams		2	60.00	0.60		72.00		
	For inside Colums		14	1.20	3.00		50.40		
	Gutter		2	20.00	1.20		48.00		
							209.76	57.24	**12007.00**
	Basic Rate	54.00							
	Add area weight age 6% as per PWD SR Note	3.24							
	Total	57.24							
19	KSRB 7.2 Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal bracing of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junction and corners, with hand es, stoppers and locking arrangements etc., including cleaning a priming coat of red lead paint cost of materials, labour, HOM of machin complete as per specifications Double leaf door of size 2.4x2.4m (page No. 36, Item no PWD SR 12-13						Sqm		
	Main Door		1	2.40	2.40		5.76	2601.24	**14983.00**
	Basic Rate	2454.00							
	Add area weight age 6% as per PWD SR Note	147.24							
	Total	2601.24							
20	KSRB 7.2 Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. PWD 12-13 P-126 Item No. 15.60						Sqm		
	Main Door		2	2.40	2.40		11.52	75.26	**867.00**
	Basic Rate	71.00							
	Add area weight age 6% as per PWD SR Note	4.26							
	Total	75.26							

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 14-17.1 : Providing skirting, dado risers of steps with **white glazed tiles 6mm** thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour complete as per specifications. PWD SR 12-13 P-115 I-14.40						Sqm		
	Long wall		4	1.50	2.40		14.40		
	short Wall		4	1.00	2.40		9.60		
	Beside wash basin		1	3.00	2.40		7.20		
	Basic Rate	735.00					31.20	779.10	**24308.00**
	Add / Less **weightage 6% as per PWD SR Note**	44.10							
	Total	779.10							
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x300x10mm thick fixed on existing flooring with a special roff adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. PWD SR 12-13 P-115, I- 14.43						Sqm		
	Flooring		1	1.50	4.00		6.00	1190.38	**7142.00**
	Basic Rate	1123.00							
	Add / Less **weightage 6% as per PWD SR Note**	67.38							
	Total	1190.38							
23	KSRB 11-12 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm C.P. brass bend proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 PWD SR 12-13 P-72 I-12.1						Pan		
			1				1.00	2802.64	**2803.00**
	Basic Rate	2644.00							
	Add / Less **weightage 6% as per PWD SR Note**	158.64							
	Total	2802.64							
24	KSRB 11-11.01 : Providing and fixing white vitreous china clay, angle back **wash basin** size 500 x 380 mm with single 15mm C.P brass bib tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required including cost of materials, labour complete as per specifications. PWD SR 12-13 P-2 I-12.28						Unit		
			2				2.00	2226.00	**4452.00**
	Basic Rate	2100.00							
	Add / Less **weightage 6% as per PWD SR Note**	126.00							
	Total	2226.00							
25	KSRB 13-1 : Providing and placing on terrace polyethylene water storage tanks with manhole and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, use of equipments and testing complete as per specifications.(For 1000 litre capacity) PWD SR 12-13 P-102 I-13.18						Nos		
			1				1.00	6838.06	**6838.00**
	Basic Rate	6451.00							

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	
	Add area weight age 6% as per PWD SR Note	387.06							
	Total	6838.06							
26	KSRB13-8.1 Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kg/sq.cm working pressure 25mm outside diameter with special flange, compression pipe fittings, wall clips making good the wall, ceiling and floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specification Specification No.KB 3.2.15.1.2.13 PWD SR-12-13 P--100, I-13.67	Mtr					60.00	84.80	5088.00
			60						
	Basic Rate	80.00							
	Add weight age 6% as per PWD SR Note	4.80							
	Total	84.80							
27	KSRB13- Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 15 dia nominal bore with fittings (earth work in trenches to be measured and paid separately including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications PWD SR-12-13, P-94, I-13.10	Mtr					50.00	109.18	5459.00
			50						
	Basic Rate	103.00							
	Add weight age 6% as per PWD SR Note	6.18							
	Total	109.18							
28	KSRB13- Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 20 dia nominal bore with fittings (earth work in trenches to be measured and paid separately including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications PWD SR-12-13, P-94, I-13.11	Mtr					50.00	137.80	6890.00
			50						
	Basic Rate	130.00							
	Add weight age 6% as per PWD SR Note	7.80							
	Total	137.80							
29	Providing and const fixing CI Nahani trap approved make conforming to ISI specifications materials n of Cistern in CC 1 2 4 as per directions (Rate is inclusive of cost of PWD SR fixtures and conveyance of materials to work spot). for 10cms x 7.5cms 3 P-91 Item no. 12.11 3	Each					4.00	233.20	933.00
			4						
	Basic Rate	220.00							
	Add weight age 6% as per PWD SR Note	13.20							
	Total	233.20							
30	Providing laying flooring using polished water cut/ gang saw19mm thick granite laid over ing floor CM 1:4 at mm thick (average) and pointed with white / gey pigment e omplete PWD SR 12 3 P-116 I-14.47	Sqm							
	for wash		1	3.00	0.60		1.80		
	for superv table		1	2.00	0.60		1.20		
							3.00	1708.72	5126.00
	Basic Rate	1612.00							
	Add weight age 6% as per PWD SR Note	96.72							
	Total	1708.72							
31	Providing plying and Commissioning of 1 HP Submercible Monoblock Pump with Starter 15 cable with necessary GI Fittings with Suction & Delivary Hose Pipes Including ssary fittings Etc; Complete as per Specifications	Nos					1.00	10000.00	10000.00
			1						
	PVC door toilet								

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	SOLID PVC DOOR SHUTTERS								
32	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 Nos of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. (PWD SR 12-13 P-62, Item No. 9.84						Sqm		
			2	1.00	2.40		4.80	332.84	**1598.00**
	Basic Rate	314.00							
	Add weightage 6% as per PWD SR Note	18.84							
	Total	332.84							
33	SOLID PANEL PRELAM PVC DOOR SHUTTER								
	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 16 gauge for styles and 15x15mm for top & bottom rails, covered with heat moulded Pre-laminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame Sealed to the styles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos 75mm. Aluminium hinges with one side prelam PWD SR 12-13 P-62 I-9.85.2						Sqm		
			2	1.00	2.40		4.80	2622.44	**12588.00**
	Basic Rate	2474.00							
	Add weightage 6% as per PWD SR Note	148.44							
	Total	2622.44							
34	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cm including cost of all materials cutting, bending scaffolding wherever necessary finally finishing the welded joints with all lead lifts and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) PWD SR 12-13 P-267, I-37.2						Mtr		
			30	1.50			45.00	1037.74	**46698.00**
	Basic Rate	979.00							
	Add weightage 6% as per PWD SR Note	58.74							
	Total	1037.74							
35	Providing and fixing M.S. Block pipe of 63mm dia. of heavy guage of 14 including removing the bends, welding the pipe and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint PWD SR 12-13 P-267 Item No.37.4						Mtr		
			2	60.00			120.00	262.88	**31546.00**
	Basic Rate	248.00							
	Add weightage 6% as per PWD SR Note	14.88							
	Total	262.88							

10

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (PWD SR 12-13 P-257 I-37.3	Sqm							
			1	55.00	1.50		82.50	563.92	46523.00
	Basic Rate	532.00							
	Add weightage 6% as per PWD SR Note	31.92							
	Total	563.92							
37	Providing fixing ridges, hips with Tetra pack sheet roofing with GI., J of L hooks bolts and nuts 8mm dia GI plain and bitumen washers. Serrated or plaind wings adgustable edges including cost of materials labour complete as per specifications Apporved Market Rate	Sqm							
			2	19.50	6.00		234.00	400.00	93600.00
38	Fabricating supplying & erecting M.S. angular Truss of span upto 10mm. The bottom & Top member is provided with 50x50x6mm double equal agles, welded back to back and in between top & bottom line in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends40x40x6mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing No. CBS/SD/K-Mantap/9/MND/97. The Entire truss in anchored to RCC Column by using 4 Nos. of MS anchor bolts at each support with 10mm thick base plate and shoe plate. the work includes cutting, Straightening, placing in Position M.S angle and wleding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges & hire charges of machinerise for cutting welding grinding & erection equipments etc., complete as per spesification (PWD SR 12-13 P-46, I-7.30)	Kgs							
							500.00	119.78	59890.00
	Basic Rate	113.00							
	Add weightage 6% as per PWD SR Note	6.78							
	Total	119.78							
39	Pipe for rain water flowing								
	KSRB 8 providing and fixing on wall surface 4.0 kg / sq.cm H.D.P.E. rain down water pipe 110mm outer dia approved make complete with necessary specials like shoes, bends and offsets fixed with iron clamps with rawl plugs, screws, including cost of material complete as per specifications PWD SR 12-13 P-52, I-8.19	Mtr							
	from gutter to sump		60				60.00	466.40	27984.00
	Basic Rate	440.00							
	Add weightage 6% as per PWD SR Note	26.40							
	Total	466.40							
40	for sump								
	Providing fixing ductile Iron manhole covers, frames as per EN 124 standard Rectyangular cover with fram (Hinged) of size 450x600 mm of 30kgs Weight (PWD SR 12-13 Page No. XXXV)	Nos							
			1				1.00	2597.00	2597.00
	Basic Rate	2450.00							
	Add weightage 6% as per PWD SR Note	147.00							
	Total	2597.00							
41	Solar Lighting System								

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing and Supplying and Erecting Solar Street light system with mounting Structure & pole (MNRE Specification) Decription of Items 2x11 W CFL (Double luminaire with 1 CFL Each) PV Module: 120 W battery Capacity: 12V, 100AH As per Directorate General of Supplids & Dispisal Govt of India						Nos		
			2				2.00	32280.95	**64562.00**
	For RWH SAND BED FILTER								
42	KSRB 2-2.1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification No. KBS 2.1(a) / 2.3.5 PWD SR 12-13 P-5, I-2.3						Cum		
	for Three Chambers		1	2.50	1.00	1.00	2.50	132.50	**331.00**
	Basic Rate	125.00							
	Add Overweightage 6% as per PWD SR Note	7.50							
	Total	132.50							
43	KSRB 4-1.2 Providing and laying in position plain cement concrete of mix M10 with OPC cement 220kgs with 40mm Down Size geaded granite metal cousrse aggreegates 0.892 cum and fine aggreegates 0.485 cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including all materials labour, HOM of machinery curing complete as per specification for bed concrete Specification No. KBS 4.1, 4.2 (PWD SR 12-13 P-12, I-4.2								
	for Three Chambers		1	2.50	1.00	0.15	0.38	4053.44	**1520.00**
	Basic Rate	3824.00							
	Add Overweightage 6% as per PWD SR Note	229.44							
	Total	4053.44							
44	KSRB 6-1.2 Providing and constructing burnt brick masonry with approved quality of non-moulded bricks of standard size of **class designation 50 (table moulded) with** cement mortar 1:4 for basement & **Super Structure** and superstructure including cost of materials, labour charges, scaffolding complete as per specifications. Specification KBS 6.2 PWD SR 12-13 P-5, I-6.7						Cum		
	Long Wall		2	2.20	0.75	0.23	0.76		
	Short Wall		4	0.60	0.75	0.10	0.18		
							0.94	5045.60	**4738.00**
	Basic Rate	4760.00							
	Add Overweightage 6% as per PWD SR Note	285.60							
	Total	5045.60							
45	Providing and laying in Positionplain cement concrete of Mix M20 with cement @ 300kgs with 20mm & down sixe graded granite metal coarse aggreegates @0.64cum and fine aggregates @0.43 cum with superplastisiser @ 3 ltrs, confirming to IS 9103-1999 Revised-2008, machine mixed concrete laid in layers not exceeding 15 cms thickness laid in foundation, plinth and slabs including cost of all materials, labours, hire of machinery curing complete as per specifications Specification No. KBS 4.4.3 PWD SR 12-13 P-12 I-4.5)						Cum		
	Long Wall		2	2.20	0.23	0.10	0.10		
	Short Wall		4	0.60	0.10	0.10	0.02		
	Flooring		3	0.60	0.60	0.15	0.16		
	Basic Rate	4572.00					0.29	4846.32	**1392.00**
	Add Overweightage 6% as per PWD SR Note	274.32							
	Total	4846.32							

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 15.3.1Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD SR 12-13 PO-119, I-15.10)						Sqm		
	Wall		12	0.60	0.80		5.76		
	Flooring		3	0.60	0.60		1.08		
							6.84	124.02	**848.00**
	Basic Rate	**117.00**							
	Add area weight age 6% as per PWD SR Note	**7.02**							
	Total	**124.02**							
47	For Sump Cover								
	Providing and fixing Ductile Iron Man Hole Covers, Frames as per EN 124 Standard Rectyangular Cover with fram (Hinged) of size 450x600mm of 30kgs weight (PWD SR 12-13 P-xxxv Squar Tank Cover)						Nos		
			3				3.00	2597.00	**7791.00**
	Basic Rate	**2450.00**							
	Add area weight age 6% as per PWD SR Note	**147.00**							
	Total	**2597.00**							
48	Aggrigates						Cum		
	40mm Nominal Size		1	0.60	0.60	0.30	0.11	600.00	**65.00**
	20mm Nominal Size		1	0.60	0.60	0.30	0.11	850.00	**92.00**
	PWD SR 12-13 P-II Sl no. 30 & 33								
49	Electrification, Electrical Connection, Water Supply & Sanitary						LS		75000.00
50	Rack						LS		600000.00
51	Miscelleious and Rounding off								28124.57
									2650000.00
	(Rupees Twentysix Lakh Fifty Thousand Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2012-13
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division
Bangalore.

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
Bangalore-92

Technical Sanction for Rs. 26.50 lakhs.
Twenty Six lakhs fifty thousand only
under Solid waste Managment (SWM)
registered 38/12-13 Subject to conditions enclosed memo.
No: 38/12-13, 11/12/12 Dr.

AE/JE

Superintending Engineer
Yelahanka Zone